

REMARKS

At the outset, the Examiner is thanked for the thorough review and consideration of the pending application. The Office Action dated March 4, 2005 has been received and its contents carefully reviewed. Applicants gratefully acknowledge the Examiner's indication of allowable subject matter in claims 5-9.

By this Amendment, Applicants amend the title, Figs. 4B, 6 and 10, and claims 1 and 16. Claims 12-15 and 18-20 have been withdrawn due to an earlier restriction requirement. Accordingly, claims 1-20 are currently pending. Reexamination and reconsideration of the pending claims is respectfully requested.

In the Office Action, the drawings are objected to because of reference numeral "112" in Fig. 4B. Applicants have amended Figs. 4B, 6 and 10 to cure minor typographical errors in the drawings. No new matter is added to the drawings. The attached Replacement Sheets are submitted to replace the original sheets including Figs. 4B, 4C, 6, 9 and 10, and the "Annotated sheets showing changes" shows the changes made in red in Figs. 4B, 6 and 10. In view of these amendments, Applicants respectfully request the withdrawal of the objection to the drawings.

The title is also objected to and a new title is solicited. Although Applicants believe the title is clearly indicative of the present invention, for the sole purpose of expediting the prosecution of the application, the title has been amended. Applicants respectfully request the withdrawal of the objection to the title.

In addition, the Examiner rejected claims 1-4 under 35 U.S.C. § 102(e) as being anticipated by Ko (U.S. Patent No. 6,794,216); rejected claims 16-17 under 35 U.S.C. § 103(a) as being obvious over Applicants' Related Art (ARA) in view of Ko; and rejected claims 10 and 11 under 35 U.S.C. § 103(a) as being obvious over Ko in view of Lee (U.S. Patent No. 6,606,137). Applicants respectfully traverse these rejections.

Claim 1 is allowable over the cited references in that claim 1 recites a combination of elements including, for example, "irradiating the cholesteric liquid crystal layer through the open portions of the mask... wherein each open portion corresponds to each sub-pixel region and is smaller than each sub-pixel region." None of the cited references, singly or in combination, teaches or suggests at least these features of the claimed invention.

In the present application, each open portion of the mask corresponds to each sub-pixel region and is smaller than each sub-pixel region. However, as best understood, the open portions 108a in Fig. 5A of Ko is disposed over the boundaries of each sub-color filter regions. See Ko at Col. 6, lines 4 – 34. Accordingly, Applicants respectfully submit that claim 1 and claims 2-11, which depend therefrom, are allowable over the cited references.

Claim 16 is allowable over the cited references in that claim 16 recites a combination of elements including, for example, "irradiating the cholesteric liquid crystal layer through the open portions of the mask... wherein each open portion corresponds to each sub-pixel region and is smaller than each sub-pixel region." None of the cited references, singly or in combination, teaches or suggests at least these features of the claimed invention. Accordingly, Applicants respectfully submit that claim 16 and claim 17, which depend therefrom, are allowable over the cited references.

Applicants believe the application is in condition for allowance and early, favorable action is respectfully solicited. If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at (202) 496-7500 to discuss the steps necessary for placing the application in condition for allowance. All correspondence should continue to be sent to the below-listed address.

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911. A duplicate copy of this sheet is enclosed.

Dated: June 3, 2005

Respectfully submitted,

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Attachments



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Dated: June 3, 2005

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AMENDMENTS TO THE DRAWINGS

The attached sheets of drawings include changes to Figs. 4B, 6 and 10. These sheets, which include Figs. 4B, 4C, 6, 9 and 10, replace the original sheets including Figs. 4B, 4C, 6, 9 and 10. The following changes have been made to Figs. 4B, 6 and 10:

In Fig. 4B, the reference number “112” is changed to “142”;

In Fig. 6, the reference number “266” is changed to “265”; and

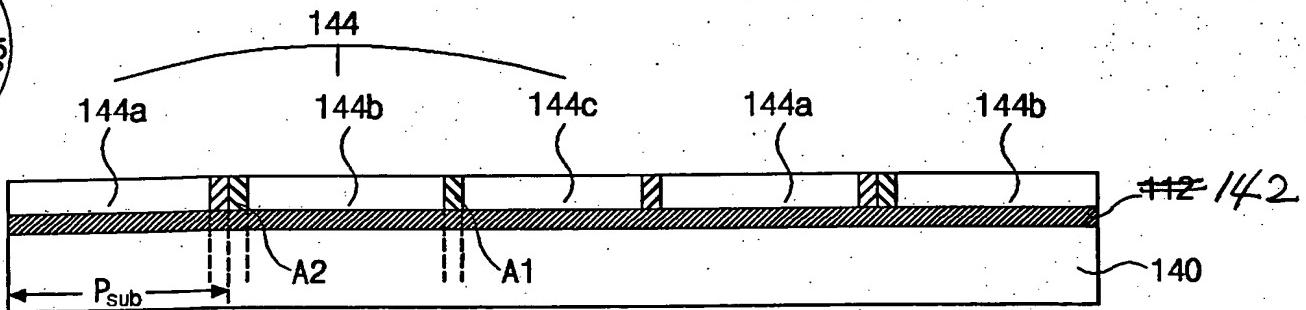
In Fig. 10, the reference number “456” refers to the gate insulating layer, not the passivation layer.

The attached “Annotated sheet showing changes” shows the changes made in red.

Attachment: Replacement sheet
 Annotated sheet showing changes

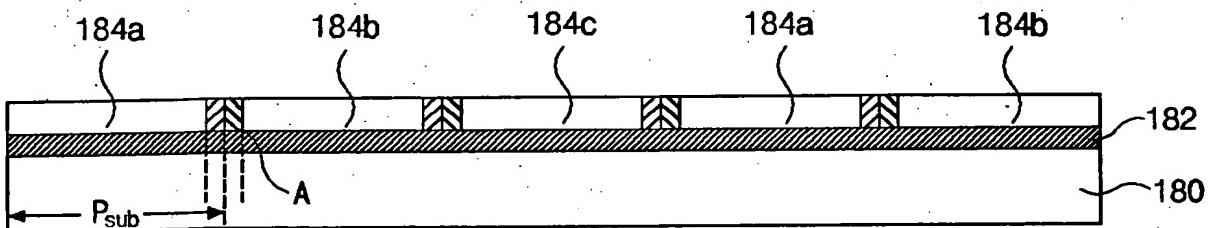


ANNOTATED SHEET SHOWING CHANGES



(related art)

FIG. 4B



(related art)

FIG. 4C

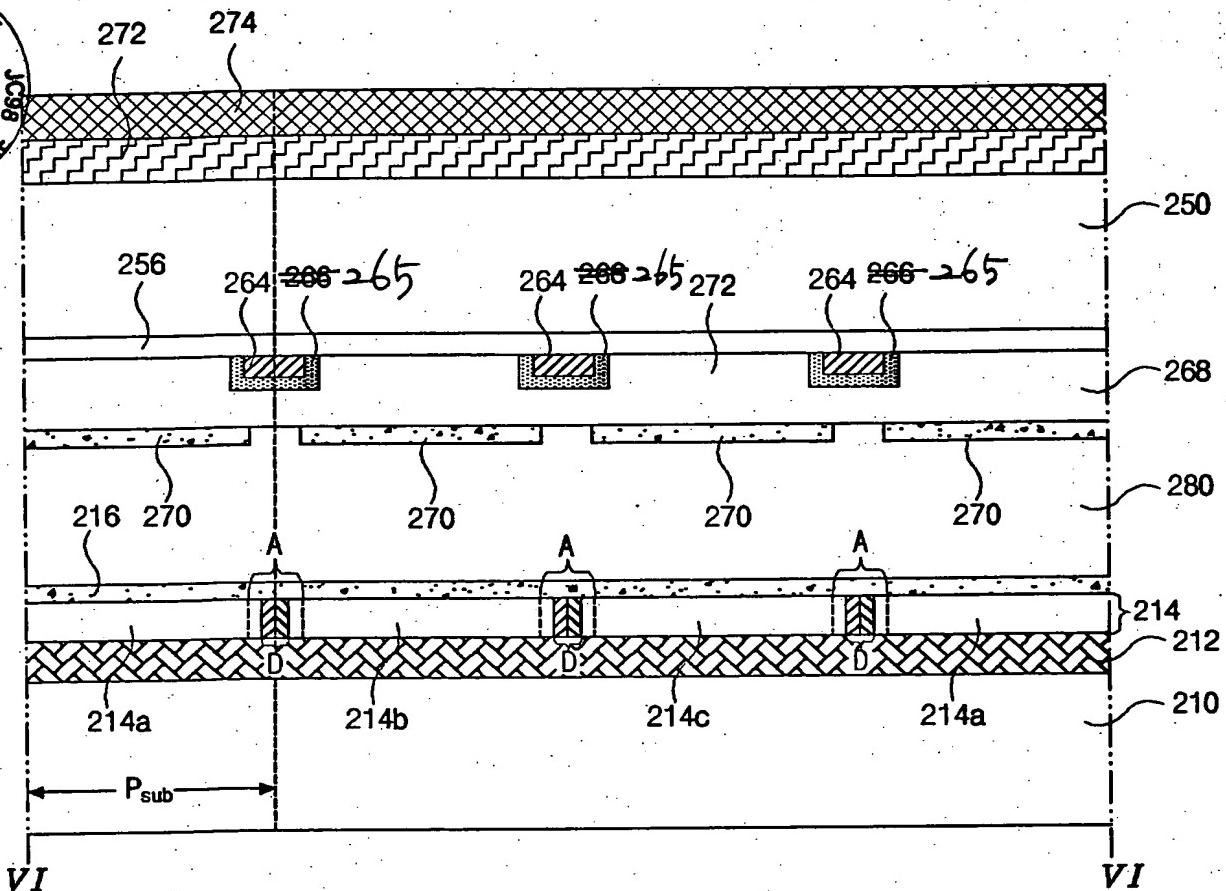
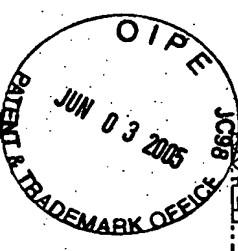


FIG. 6

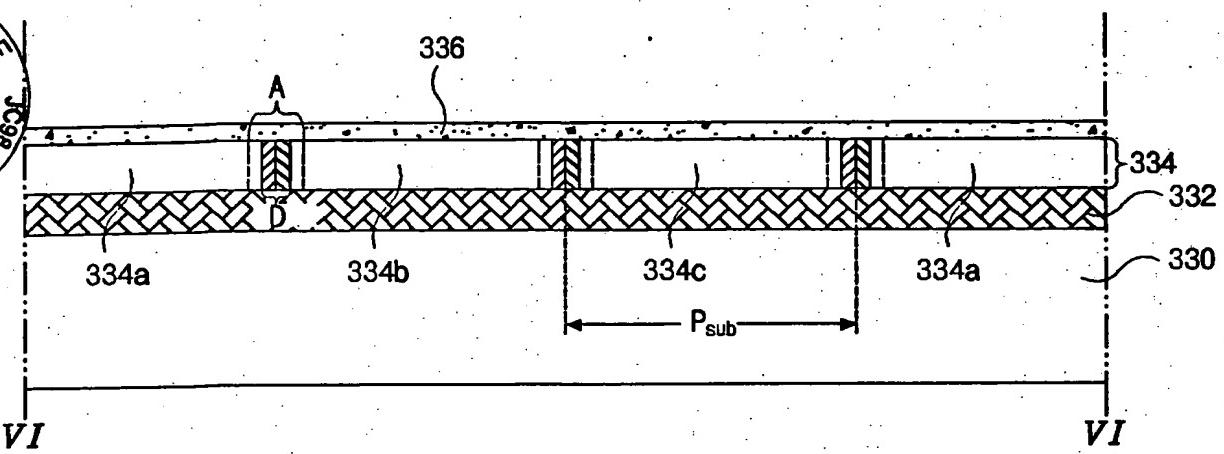
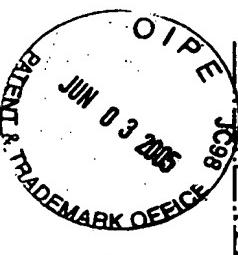


FIG. 9

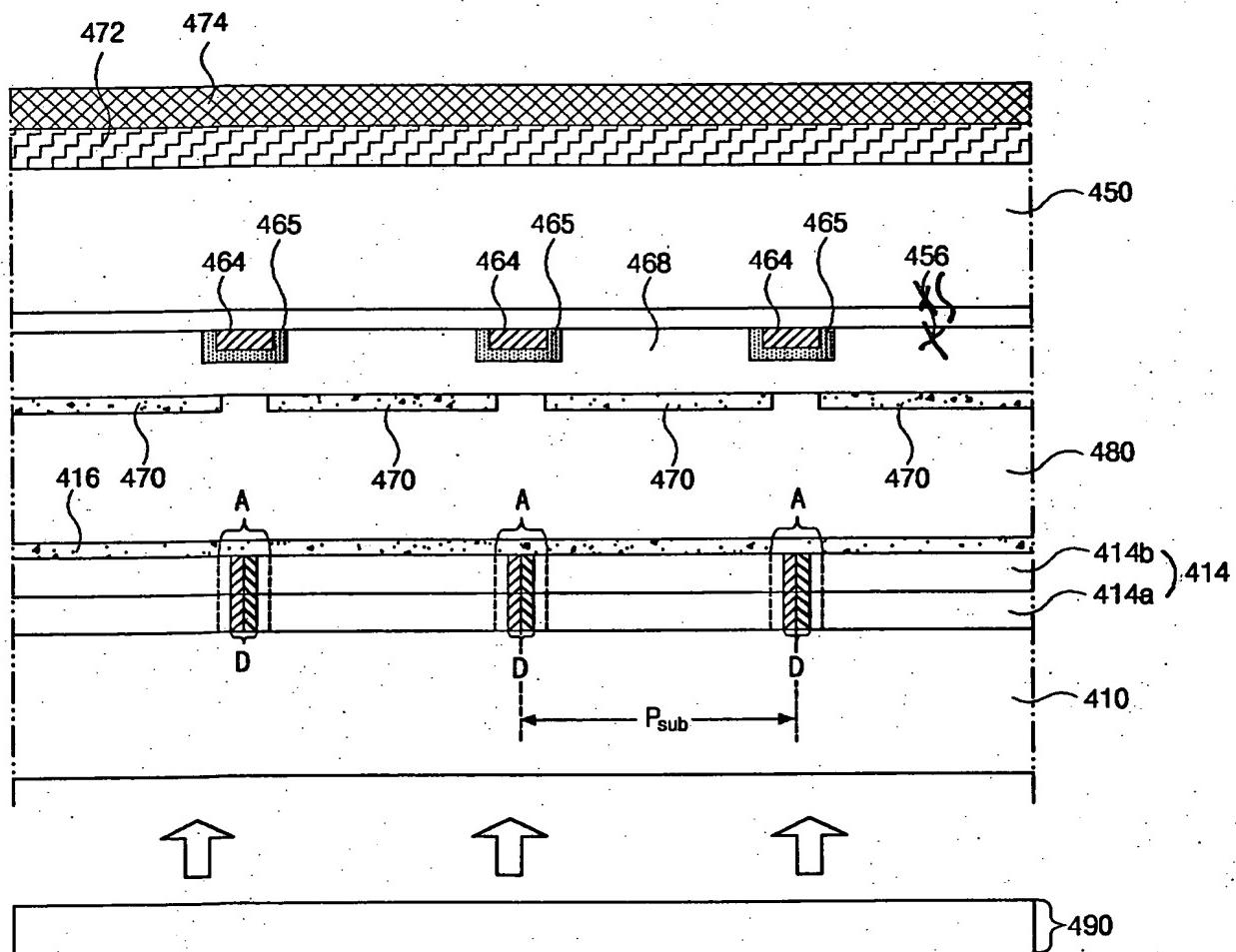


FIG. 10